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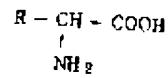
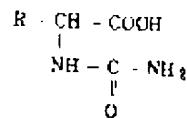
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(54) PRODUCTION OF D-ALPHA-AMINO ACID

(57) Abstract:

PURPOSE: To obtain efficiently a D- α -amino acid, by treating a D-N-carbamoyl- α -amino acid with an enzyme produced by a specific bacterium.

CONSTITUTION: A D-N-carbamoyl- α -amino acid shown by the formula I (R is phenyl group, hydroxyl group-substituted phenyl group, alkyl group, substituted alkyl group or thienyl group) is treated with an enzyme extracted from a culture solution of a bacterium belonging to the genus Aerobacter, Aeromonas, Brevibacterium, Bacillus, Flavobacterium, Sarcina or Serratia, from the mold or a treated material thereof, capable of eliminating carbamoyl group, to give a D- α -amino acid shown by the formula II.



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